

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number  
**WO 2005/007518 A2**

(51) International Patent Classification<sup>7</sup>: **B65D**

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(21) International Application Number:

PCT/US2004/022124

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(22) International Filing Date: 12 July 2004 (12.07.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

English

(26) Publication Language: English

English

(30) Priority Data:  
60/487,946 18 July 2003 (18.07.2003) US  
60/530,231 18 December 2003 (18.12.2003) US

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

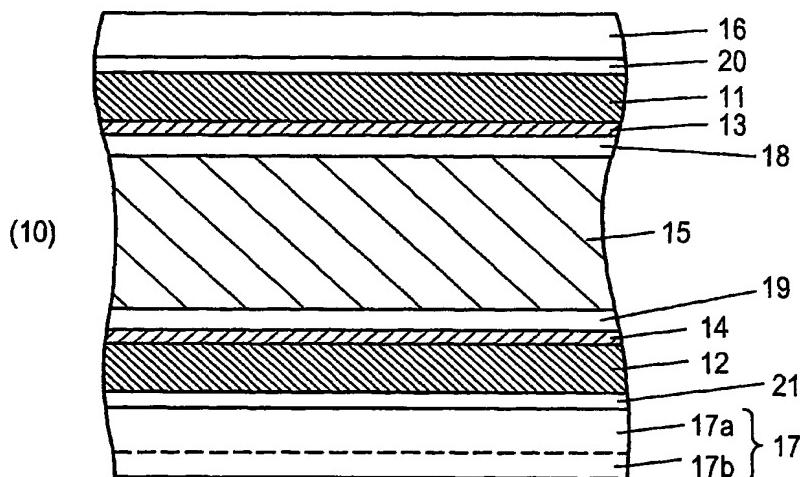
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(54) Title: PLASTIC GAS BARRIER PACKAGING LAMINATE



(57) Abstract: The invention relates to a gas barrier packaging laminate (10) having durability to stress crack formation and yet a bending stiffness and good integrity between the laminate layers, comprising outer layers of heat-sealable polyolefin (16, 17), two polymer carrier layers (11, 12) each being coated with a SiOx gas barrier layer (13, 14), wherein the two polymer carrier layers with SiOx layers are laminated to each other by means of an intermediate polymer layer (15), which includes a thermoplastic polymer having high elastomeric properties. The required stiffness of the packaging laminate is obtained by forming a structural sandwich construction with two stiff carrier layers separated by a relatively thick lower density intermediate layer. Preferably, the thickness of the intermediate polymer layer (15) constitutes from about 30 to about 55% of the total thickness of the packaging laminate (10). The invention also relates to a packaging container such as a pouch or similar manufactured from the packaging laminate and to a method of manufacturing of the packaging laminate.

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European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**Published:**

- *without international search report and to be republished upon receipt of that report*